

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/10/2022 09:01 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124375	-1	1.59	124270	1.66
Blue	F	SSC	125000	123922	-1	3.14	124432	3.16
Blue	E	FITC	13602	13162	-4	2.46	370	13.74
Blue	D	PE	24891	24383	-3	1.91	580	10.59
Blue	B	PerCP-Cy5-5	33972	33196	-3	3.21	947	15.21
Blue	A	PE-Cy7	22865	22669	-1	5.20	471	30.55
Red	C	APC	47198	46975	-1	2.58	1623	11.05
Red	A	APC-Cy7	26454	25755	-3	3.15	728	12.07
Violet	B	V450	6737	6413	-5	3.52	450	11.33
Violet	A	V500	29317	28188	-4	3.05	968	8.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24079	2.75	539	4	N/A	N/A	Pass
Blue	F	SSC	55555	2.25	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	4	0.0434	216	Pass
Blue	D	PE	112	39.41	491	5	0.4033	321	Pass
Blue	B	PerCP-Cy5-5	148	42.77	584	5	0.0192	89	Pass
Blue	A	PE-Cy7	77	82.37	627	6	0.0226	7	Pass
Red	C	APC	339	25.85	573	1	0.0318	301	Pass
Red	A	APC-Cy7	135	34.42	550	-1	0.0067	1417	Pass
Violet	B	V450	76	45.62	451	1	0.0536	1961	Pass
Violet	A	V500	114	29.40	471	2	0.0262	655	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.13	-31.77	0.98
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.70	13.90 - 20.86	N/A	N/A	30.02	30.37	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10648

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments